PTO/SB/21 (09-04)

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EMARIT	Application Number	10/523,499
TRANSMITTAL	Filing Date	February 1, 2005
FORM	First Named Inventor	Michael Elashoff
1 OINW	Art Unit	2621
(to be used for all correspondence after initial filing)	Examiner Name	Unknown
otal Number of Pages in This Submission	Attorney Docket Number	4033-US (111944-0061)
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ENCLOSURES (Check all that apply)					
Fee Transmittal Form	Drawing(s)	After Allowance Communication to TC			
Fee Attached	Licensing-related Papers	Appeal Communication to Board of Appeals and Interferences			
Amendment/Reply	Petition	Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)			
After Final	Petition to Convert to a Provisional Application	Proprietary Information			
Affidavits/declaration(s)	Power of Attorney, Revocation Change of Correspondence Address	Status Letter Other Englands (a) (along a Identify			
Extension of Time Request	Terminal Disclaimer	Other Enclosure(s) (please Identify below):  Request for Corrected Filing			
Express Abandonment Request	Request for Refund	Receipt; Corrected Copy of			
Information Disclosure Statement	CD, Number of CD(s) Landscape Table on CD	Filing Receipt; First Pg. of published PCT application;			
Certified Copy of Priority Document(s)	Remarks	Appointment of Agent; Postcard			
Response to Missing Parts/ Incomplete Application					
Response to Missing Parts under 37 CFR 1.52 or 1.53					
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT					
Firm Name Procopio, Cory, Hargreaves & Savitch LLP					
Signature (Clar M. Juse ch.)					
Printed name Eleanor M. Musick					
Date July 13, 2005	Re	g. No. 35,623			
CERTIFICATE OF TRANSMISSION/MAILING					
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.					
Signature (Kliffon D. Klarck)					
Typed or printed name Eleanor M. Musick Date July 13, 2005					

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Michael Elashoff, et al.

Serial No.: 10/523,499

Filed: February 1, 2005

For: METHOD AND SYSTEM FOR

MANAGING AND QUERYING **GENE EXPRESSION DATA** ACCORDING TO QUALITY

Group Art Unit: 2621

Examiner: Unknown

#### REQUEST FOR CORRECTED FILING RECEIPT

Commissioner for Patents Washington, D.C. 20231

Attn: Office of Initial Patent Examinations

Filing Receipt Corrections

#### Sir/Madam:

This is a formal Request for Corrected Filing Receipt. The Filing Receipt should be corrected as to the Attorneys for Applicants, and to include the inventor information for inventor Peter Lauren. A copy of the filing receipt, marked in red to show changes, is attached along with a copy of the first page of the published PCT application listing Peter Lauren as an inventor.

CERTIFICATE OF MAILING (37 C.F.R. §1.8a) I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class Mail in an envelope addressed to the Commissioner for

July 13, 2005

Patents, Washington, D.C. 20231.

Date of Deposit

Eleanor M. Musick

Name of Person Mailing Paper

Also enclosed is a copy of the Appointment of Agent from the PCT application, which was executed subsequent to the execution of the Power of Attorney in the combined declaration, revoking all prior appointments of agents and designating the undersigned as Applicants' agent. Accordingly, the filing receipt should reflect this designation as indicated on the marked-up filing receipt.

There is no fee believed to be due in connection with this Request, however, if any fee is due, the Commissioner is authorized to charge Procopio's Deposit Account No. <u>50-2075</u> for the appropriate amount.

Respectfully submitted,

Dated: July 13, 2005

Eleanor M. Musick-

Reg. No. 35,623

Procopio, Cory, Hargreaves & Savitch, LLP 530 B Street, Suite 2100 San Diego, CA 92101-4469 Telephone: 760/931-9700

Facsimile: 760/931-1155

Docket No. 4033-US (111944-0061)



UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Addres: COMMISSIONER FOR PATENTS Post 150 Alexadria, Viginia 22313-1450 www.uspto.gov

FILING OR 371 APPL NO. ART UNIT FIL FEE REC'D ATTY.DOCKET NO DRAWINGS TOT CLMS IND CLMS (c) DATE 02/01/2005 2621 800 4033US (111944-0061) 6 10/523.499

**CONFIRMATION NO. 3394** 

**FILING RECEIPT** 

\*OC000000016024045\*

-23370JOHN S. PRATT, ESQ KILPATRICK STOCKTON, LLP -1100 PEACHTREE STREET ATLANTA, GA-30309

ELEANOR M. MUSICK, ESQ PROCOPIO, CORY, HARGEGAVES & SAVITCH LLP

530 B STREET, SUITE 2100 SAN DIEGO, CA 92101 - 4469

Date Mailed: 05/16/2005

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

#### Applicant(s)

Michael Elashoff, Germantown, MD; Chris Alvares, Potomac, MD; Peter Lauren, Columbia, MD

#### Power of Attorney:

Eleanor Musick-35623

#### Domestic Priority data as claimed by applicant

This application is a 371 of PCT/US03/24160 08/01/2003 which claims benefit of 60/399,727 08/01/2002

Foreign Applications

Projected Publication Date: 08/25/2005

Non-Publication Request: No

Early Publication Request: No

\*\* SMALL ENTITY \*\*

Title

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International Bureau



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#### **PCT**

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(71) Applicant (for all designated States except US): GENE LOGIC INC. [US/US]; 708 Quince Orchard Road, Gaithersburg, MD 20878 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): ELASHOFF, Michael [US/US]; 11124 Yellow Leaf Way, Germantown, MD 20876 (US). ALVARES, Chris [US/US]; 7547 Heatherton Lane, Potomac, MD 20854 (US). LAUREN, Peter [US/US]; 10058 Quantrell Row, Columbia, MD 21066 (US).

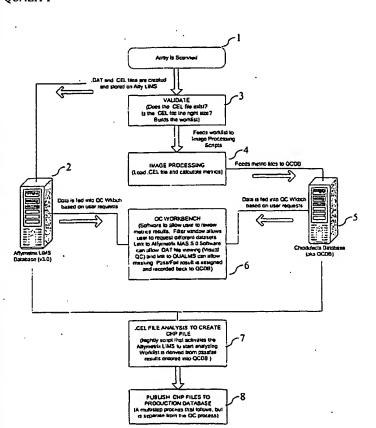
(74) Agents: PRATT, John, S. et al.; Kilpatrick Stockton LLP, Suite 2800, 1100 Peachtree Street, Atlanta, GA 30309-2043 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW);

[Continued on next page]

(54) Title: METHOD AND SYSTEM FOR MANAGING AND QUERYING GENE EXPRESSION DATA ACCORDING TO QUALITY



(57) Abstract: An automated system and method are provided for analyzing gene expression data obtained from a plurality of microarrays having mismatch (MM) probe pairs and perfect match (PM) probe pairs. Image data for a plurality of scanned microarrays is stored in a database along with a set of microarray parameters which includes one or more image processing metrics for quality control of the microarray and a pass/fail status of the microarray as determined by these metrics. The user can search the database records according to one or more microarray parameters. The image processing metrics include algorithms for removing local background effects from the probe measurements by determining a model for estimated background using PM probe values. Other image processing metrics utilize a modified Robust Multi-array Averaging (RMA) applied to PM probes to assign weights to probes for determining overall quality of a microarray.



# GENERAL APPOINTMENT OF AGENT OR COMMON REPRESENTATIVE

Sir:

Effective today, the undersigned applicant revokes all prior appointments of agents or representatives, and appoints:

Eleanor M. Musick, Reg. No. 35,623; Stephen C. Beuerle, Reg. No. 38,380; Kamwah Li, Reg. No. 34,211; Harris F. Brotman, Reg. No. 35,461; Troy M. Schmelzer, Reg. No. 36,667; Pattric J. Rawlins Reg. No. 47,887; and Kathleen Pasulka, Reg. No. 35,652.

to represent me as applicant, to act for me in all proceedings, to grant further powers of substitution to attorneys in countries other than the United States, and to do all things necessary or appropriate therefor, before the competent International Authorities in connection with the international patent application in respect of the invention entitled:

# METHOD AND SYSTEM FOR MANAGING AND QUERYING GENE EXPRESSION DATA ACCORDING TO QUALITY

filed with the United States Patent and trademark Office as the receiving Office under the provisions of the PATENT COOPERATION TREATY, corresponding to WIPO Application No. PCT/US03/24160 filed 01 August 2003.

Please direct all correspondence to the attention of:

Eleanor M. Musick PROCOPIO, CORY, HARGREAVES & SAVITCH LLP 530 B Street, Suite 2100 San Diego, CA 92101-4469

Tel: (760) 931-9700 Fax: (760) 931-1155

	Respectfully submitted,
Dated: May 1, 2004	Michael Eashoff
Dated: May, 2004	Chris Alvarez
Dated: May, 2004	Cittis Aivaicz
	Peter Lauren

111944.000018/464296.01

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Fax: (760) 931-9700

Respectfully submitted,

Dated: May, 2004	
Dated: May 4_, 2004	Michael Elashoff
	Chris Alvarez
Dated: May, 2004	
·	Peter Lauren

111944.000018/464296.01



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Respectfully submitted,

Fax: (760) 931-1155

		· ·
Dated: May, 2004		
, 200 v		Michael Elashoff
Dated: May, 2004	· ·	
		Chris Alvarez
Dated: May 18, 2004		De Ree
•	•	Peter Lauren